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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

ORIGINAL

FIELD NOTES

OF
EXCHANGE
~~XXXXXXXXXXXX~~ SURVEY NO. 651

SITUATED IN THE CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 3, surveyed, Township 2 S., Range 12 E.

of the

Gila and Salt River Base and Meridian.

State of
Arizona.

~~Applicant for listing~~

~~Residence~~

~~Application No. _____, dated _____, 19__~~

~~List No. _____, dated _____, 19__~~

~~Applicant for survey~~

~~Residence~~

~~H. F. No. _____, dated _____, 19__~~

~~Land Office~~

Survey executed by C. A. Long, District Engineer, Forest Service
[Forest Service Title]

Under special instructions dated _____, 19__

Survey commenced September 8, 19 26

Survey completed September 9, 19 26

Under Acts of March 20, 1922, and May 11, 1926

[OVER]



OATH OF ASSISTANTS

We hereby certify that we assisted C. A. Long District Engineer, Forest Service in surveying all those parts or portions of Homestead Entry Survey No. 651, in the State of Arizona which are represented in the following field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Arizona.

Note: It would have been very expensive and inconvenient to appear before an officer to administer Oaths to assistants; hence they were taken by the Surveyor.

Andronico Ramirez
Ramon M. Zug

Subscribed and sworn to before me this 9th day of September, 1926.

C. Long
District Engineer Forest Service

OATH OF SURVEYOR

I, C. A. Long, District Engineer, Forest Service, [Forest Service Title.]

do solemnly swear that, in strict conformity with the special instructions of the ~~United States Surveyor General~~ Office of Public, dated Surveys dated , 1926, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land

~~the same to be known as Homestead Entry~~ Survey No. 651, for Exchange under the Act of March 20, 1922, ~~and~~ May 11, 1926, situated within the Crook National Forest, in surveyed Section 3, Township 2 S., Range 12 E., and ~~Section~~, ~~Township~~, ~~Range~~

of the Gila & Salt River Base & meridian, Arizona, and the related retracements and resurveys and section subdivisions, which are represented in the following field notes as having been surveyed by me; and I further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the stated special instructions, and in the specific manner described in the field notes, and that the following are the original field notes of such

C. Long
District Engineer, Forest Service [Forest Service Title.]

Subscribed and sworn to before me this 24th day of September, 19 26

Bonnie M. Brewer
Notary Public.



My commission expires: 9/30/28

EXCHANGE
~~HOMESTEAD-ENTRY~~ SURVEY NO. 651

CROOK NATIONAL FOREST
STATE OF ARIZONA

Chains

The tract of land embraced in this survey is occupied, under special use permit of the Forest Service, by the Standard Oil Company in the sale and distribution of its products, and the Company desires to secure patent for this tract in exchange for other lands of equal value desired by the Forest Service.

The tract of land hereinafter described is situated in Sec. 3, T. 2 S., R. 12 E., Gila and Salt River Base and Meridian, Crook National Forest, Arizona.

~~Surveyed in accordance with special instructions from the Office of Public Surveys for the State of Arizona, dated and under the Acts of March 20, 1922, and May 11, 1926.~~

Survey commenced September 8, 1926, and was executed with a buff and Buff Transit No. 10802, equipped with a Smith solar attachment.

I test the adjustments of the transit and make necessary corrections.

All distances were measured directly on the slopes with a 500 link steel tape and reduced to the horizontal from slope angles read with a clinometer.

September 8, 1926.

At the NE. Cor. of the Magma Arizona Railroad Station Grounds Easement, hereinafter described, in Latitude $33^{\circ}17'25''$ N., Longitude $111^{\circ}06'37''$ W. from Public Survey Office Plat of T. 1 S., R. 12 E., Gila and Salt River Base and Meridian, Arizona, at 6h. 11m. 30s. P.M., standard time, I observe Polaris with telescope direct and read an angle of $44^{\circ}48'00''$ from star to right to a reference mark approximately two miles distant. My watch was compared today with Western Union time and made to read correct 105th meridian standard time, which by the difference in longitude is $24'26''$ fast on L.M.T.

Chains

G.M.P. U. C. Polaris, September, 1926 (Civil date) 2h 30m 12s

Sidereal Correction 1m 12s

2h 29m 00s

L.M.P. of Observation + 12 hours 17h 47m 04s

Hour angle 15h 18m 04s

Azimuth of star = 180° 59' 50"

+ 44° 48' 00"

Azimuth of mark = 225° 47' 50"

- 180° 00' 00"

Bearing of mark = N. 45° 47' 50" E.

At the same point I reverse the telescope and at 6h 16m P.M.

standard time, I again observe Polaris and read an angle of

44° 47' 00" from star to right to the same reference mark.

G.M.P. U. C. Polaris September 8, 1926 (Civil date) 2h 30m 12s

Sidereal Correction 1m 12s

2h 29m 00s

L.M.P. of Observation + 12 hours 17h 51m 34s

Hour angle 15h 22m 34s

Azimuth of star = 181° 00' 16"

+ 44° 47' 00"

Azimuth of mark = 225° 47' 16"

- 180° 00' 00"

Bearing of mark = N. 45° 47' 16" E.

The mean of the two observations gives the bearing of reference

marks as N. 45° 47' 32" E. from which all the courses of this

survey were deflected.

September 9, 1926.

APPENDICES

Beginning at the N.E. Cor. of the Magna Arizona Railroad Station

Grounds Basement at Superior, Arizona, which is a wooden post

4"x4"x24" above ground, with tack in center and firmly set.

Thence S. 27° 40' 00" W.

EXCHANGE
~~HOMESTEAD ENTRY~~ SURVEY NO. 651

CROOK NATIONAL FOREST

STATE OF ARIZONA

3.

Chains

on the record course.

23.81 Fall 2 lks E. of the remains of a 4"x4" wooden post in mound of stone, making an angle point on the E. boundary of the Magma Arizona Railroad Station Grounds Easement at Superior, Arizona. To perpetuate this Cor. I set a porphyry stone 10x16x26", 18 ins. in the ground, marked M.A.R.C. on W. face with a + on top. I place the old post alongside and raise a mound of stone 3' base 2' high NW. of the Cor. 2 ft. distant. No witnesses available. True bearing of this course is S. 27°43'00" W. 23.81 chains.

September 9, 1926.

Boundaries of Exchange Survey No. 651.

I set a porphyry stone 14"x14"x26", 18 ins. in the ground over a limestone 3"x3"x4", marked with a +, marked a + on top, 1 E.S. 651 on S. face, and M.A.R.C. on NW. face, for Cor. No. 1 of this survey. Raise a mound of stone 3 ft. base, 2 ft. high S. of Cor. 2 ft. distant. Pits impracticable, no bearing trees or objects available.

The ~~SE~~ Cor. to Secs. 34 and 35, T. 1 S., R. 12 E., marked and witnessed as described by the Public Survey Office for Arizona, bears N. 62°16'00" W. 17.60 chains by traverse, which appears at end of these notes.

The NE. Cor. of Magma Arizona Railroad Station Grounds Easement at Superior, Arizona, heretofore described, bears N. 27°43'00" E. 1.85 chs. distant.

Latitude 33°17'25" N., Longitude 111°06'37" W. from Public Survey Office plat of T. 1 S., R. 12 E.

Magnetic declination at 8:00 a.m. 15°30'00" E., mean magnetic declination 15°27'00" E.

Thence S. 37°07'00" E.

Along S. boundary of squatter's claim of C. O. Brown, over open level land and along S. side of wire fence 1 link distant.

1.38 To Cor. No. 2.

EXCHANGE
HOMESTEAD ENTRY SURVEY NO. 651

CROOK NATIONAL FOREST

4.

STATE OF ARIZONA

Chains	<p>Set a limestone 16x16x36", 24 ins. in the ground over a limestone 2x3x4", marked with a +, marked a + on top for the point and 2 E.S. 651 on S. face. Raise a mound of stone 4 ft. base, 3 ft. high S. of Cor. Pits impracticable, no bearing trees or objects available.</p> <hr/> <p>Thence N. 38°13' E.</p> <p>Over open, level land, along E. side of wire fence 2 lks. distant and along boundary of C. O. Brown squatter claim,</p> <p>2.60 To Cor. No. 3.</p> <p>Set a porphyry stone 16x16x24", 18 ins. in the ground, over a limestone 2x2x6", marked with a +, marked a + on top and 3 E.S. 651 on S. face. Raise a mound of stone 3 ft. base, 2 ft. high, 2 ft. S. of Cor. Pits impracticable, no bearing trees or objects available.</p> <hr/> <p>Thence S. 44°01'00" E.</p> <p>Along SW side of wire fence 2 lks. distant and along SW boundary of C. H. Bouten's squatter claim.</p> <p>0.08 Cross wire fence bearing N. 38°13'00" E. and S. 38°13'00" W.</p> <p>1.67 NW. Cor. galvanized iron garage bears South 2 lks. distant.</p> <p>1.99 NE. Cor. galvanized iron garage bears South 2 lks. distant.</p> <p>2.74 SW. Cor. of Concrete Block store building of C. H. Bouten bears N. 1½ lks. distant.</p> <p>3.64 To Cor. No. 4.</p> <p>Set a 2" iron post, 24" in the ground, with brass cap, marked 4 E.S. 651 in SW. quadrant and 1926 on S. rim of cap. Deposit a diorite stone 2x2x3", marked with a +. Pits and mound impracticable.</p> <p>SE. Cor. of concrete block store building of C. H. Bouten bears North 1½ lks. distant.</p> <p>Cor. of wire fence bears S. 44°10'00" E. 16 lks. distant. No other witnesses available.</p>
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Chains

Thence S. 49°07'00" W.

Parallel to and 16 lks. West of wire fence.

1.96

Wire fence bears S. 57°00'00" E. and N. 57°00'00" W.

2.37

To Cor. No. 5.

Set an iron post 2" dia., 24" in the ground, with brass cap marked 5 E.S. 651 in NW. quadrat and 1926 on S. rim of cap. Deposited a porphyry stone 2x4x6" marked with a +. Pits and mound impracticable.

The SE. Cor. of brick office building of the Standard Oil Company bears N. 25°08'00" E. 56 lks. distant.

The SE. Cor. of galvanized iron store rooms of the Standard Oil Company bears N. 33°10'00" W. 103 lks. distant.

Thence N. 57°15'00" W.

over open level land.

4.33

To Cor. No. 6

Set a porphyry stone 12x14x26", 18" in the ground, over a red sandstone 3x4x6" marked with a +, marked 6 E.S. 651 on NE. face and M.A.R.C. on West face, and a + on top.

Raise mound of stone 3 ft. base 2 ft. high NE. of Cor. 2 ft. distant. Pits impracticable.

An 8' x 10" post in bridge abutment marked + 6 E.S. 651 B.O. bears N. 27°05'00" E. 18 lks. distant.

The NE. Cor. of Magma Arizona Railroad Station Grounds Easement at Superior, Arizona, bears N. 27°43'00" E. 2.84 chs. distant.

Thence N. 27°43'00" E.

Along W. boundary of Magma Arizona Railroad Station Grounds Easement at Superior, Arizona.

0.25

Pass under R.R. bridge.

0.99

To Cor. No. 1, the place of beginning

EXCHANGE
~~HOMESTEAD ENTRY~~ SURVEY NO. 651

~~TRINIDAD~~ CROOK NATIONAL FOREST

6.


STATE OF ARIZONA

Chains

AREA

Total Area 1.015 acres.

Survey completed September 9, 1926.


District Engineer, Forest Service.

DIRECTIONS.—1. Carry out calculations to two decimals only.

2. In balancing Latitudes and Departures do not obliterate or change the original figures.

Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink.

The corrections for balancing fallings should be proportional to the lengths of the lines.

3. In calculations of fallings take result to nearest link. In calculations of N. and S. areas drop all after second decimal. Surveyors are required to use the Standard Field Tables issued by the G. L. O.

4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

EXCHANGE
HOMESTEAD ENTRY SURVEY NO. 151, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1 - 2	S. 37°07'00" E.	1.38		1 10	85		1 75		1 93
2 - 3	N. 38°13'00" E.	2.60	2 04		1 61		4 19	8 55	
3 - 4	S. 44°01'00" E.	3.64		2 62	2 53		8 33		21 82
4 - 5	S. 49°07'00" W.	2.37		1 55		1 79	9 07		14 06
5 - 6	N. 57°15'00" W.	4.33	2 31			3 64	3 64	8 55	
6 - 1	N. 27°43'00" E.	0.99	88		46		46	40	
		15.31	5 26	5 27	5 43	5 43		17 50	37 81
				5 26					17 50
				01					20/20 31
	Closing error 1/1531								1.015 acres
			Tie from Cor. #1 to Cor. of Secs. 34 and 35, T. 1 S., R. 12 E.						
	N. 27°43'00" E.	1.85	1 64		86				
	N. 62°20'00" W.	6.06	2 81		5 37				
	N. 69°24'00" W.	10.61	3 73		9 93				
	N. 89°33'00" W.	1.14	01		1 14				
			8 19		16 44				
					86				
					15 58				
	S. 62°16'00" E.	17.60		8 19	15 58				

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APPROVAL

PUBLIC SURVEY OFFICE

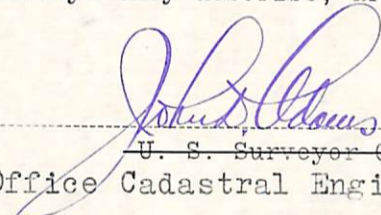
~~Office of the United States Surveyor General,~~

Phoenix, Arizona, October 12, 1926

The foregoing field notes of ~~Homestead Entry Survey No.~~

EXCHANGE SURVEY NO. 651

executed by C. A. Long, District Engineer, Forest Service
[Forest Service Title.]
under his special instructions, dated _____, 191____, having
been critically examined, and the necessary corrections and explanations
made, the said field notes, and the surveys they describe, are hereby
approved.



U. S. Surveyor General.
Office Cadastral Engineer

I certify that the foregoing transcript of the field notes of the
above-described survey in the State of Arizona _____, has been
correctly copied from the original notes on file in this office.

John D. Adams
U. S. Surveyor General.
Office Cadastral Engineer

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